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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/715,290

11/14/2003

David Hui

5232

7590

07/14/2004

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EXAMINER

ELLINGTON, ALANDRA

ART UNIT

PAPER NUMBER

2855

DATE MAILED: 07/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/715,290

Applicant(s)

HUI ET AL.

Examiner

Alandra N Ellington

Art Unit

2855

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☒ Claim(s) 5-8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Pappas et al (4,319,220).

a. With respect to claim 1, Pappas et al discloses a wireless tire pressure alarming system comprising: a plurality of tire pressure transmitters 200 each attached to each car wheel for sensing a tire pressure in each wheel tire and operatively transmitting a tire pressure signal remotely upon sensing a low tire pressure below a predetermined safety pressure value; and a tire pressure receiver 300 formed in a car and connected with a plurality of alarms 300D,E each alarm corresponding to one car wheel among all car wheels, whereby upon receiving of a low tire pressure signal sent from one said transmitter 200 corresponding to one said car wheel causing low tire pressure, said receiver 300 will actuate one said alarm 300D,E corresponding to said car wheel having low tire pressure for warning a car driver for enhancing his or her driving safety (col. 10 lines 16-25,col. 14 lines 1-55 {Figs. 2-4}); the improvement which comprises: said receiver 300 including a plug plugged in a car cigarette-lighter receptacle for

powering said receiver 300 for operatively receiving the signal as sent from said transmitter 200 (col. 14 lines 1-3).

b. With respect to claim 2, Pappas et al discloses an alarming system wherein said alarm 300D,E is selected from the group consisting of an optical alarm including light emitting diode (LED); and an audio alarm including buzzer (col. 18 lines 39-45).

c. With respect to claim 3, Pappas et al discloses an alarming system wherein said receiver includes: a receiver body 300 ; said plug protruding forwardly from the receiver body 300 and operatively plugged in said car cigarette-lighter receptacle when removing the cigarette lighter from the receptacle for connecting power supply from a car battery through the receptacle (col. 14 lines 1-8); and four LEDs respectively disposed on a front left portion, a front right portion, a rear left portion and a rear right portion corresponding to four car wheels respectively disposed on four portions of the car for optically warning the car wheel causing low tire pressure (col. 5 lines 57-63, col. 14 lines 9-28, col. 18 lines 23-34).

d. With respect to claim 4, Pappas et al discloses an alarming system wherein said receiver 300 includes a display 344 formed in the receiver body 300 for showing a tire pressure data of the car wheel (col. 5 lines 49-56).

***Allowable Subject Matter***

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3. Claims 5-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The following is a statement of reasons for the indication of allowable subject matter: The reasons for the indication of allowable subject matter is based on the inclusion of *a buzzer formed on the receiver body for sounding an audio alarm for the car wheel having low tire pressure; the receiver formed as a car-shaped body having the plurality of alarms formed on a plurality of positions on the car-shaped body of the receiver; and the receiver formed with a plurality of selectors each operatively selecting an identification code of one the transmitters.*

#### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Weiss (6,571,481) discloses an automatic low tire pressure detector.
- b. Wayner (4,943,798) discloses a low tire pressure warning system.
- c. Bonzer (6,705,360) discloses a removable air gauge.
- d. Pappas et al (4,220,907) discloses an tire pressure sensor.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alandra N Ellington whose telephone number is (571) 272-2178. The examiner can normally be reached on Monday - Friday, 7:30am - 4:00pm.

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7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on (571) 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit 2855



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